

## **Claims**

I claim:

1. A **solar chimney** arrangement, comprising:

A solar heat collector to heat the air below it,

A **chimney** build using a mountain as support permitting reaching heights of more than 1,000 meters above the base, to conduct the updraft of hot air coming from the solar collector,

A set of turbines at the base of the chimney to generate electric power,

An evaporative spray of water at the top of the chimney to capture the polluted particles in the air.

2. A **solar chimney** arrangement, comprising:

A solar heat collector to heat the air below it,

A **chimney** build using a mountain as support permitting reaching heights of more than 1,000 meters above the base, to conduct the updraft of hot air coming from the solar collector,

A set of turbines at the base of the chimney to generate electric power,

An evaporative spray of hot water at the bottom of the chimney to capture the polluted particles in the air.